

BAYTECH Corporation

Baytech Light-, Medium-, and Heavy-Duty Gaseous Fuel Systems

Presented by:

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on behalf of Baytech Corporation
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Overview

- Baytech has been engineering, certifying, manufacturing, and marketing NGV fueling system technology since 1991
 - Small Volume Manufacturer (OEM status)
- Earned reputation as leader in high performance CNG fuel injection systems for Chevrolet, GMC, and Isuzu models
- We have now applied our gaseous fueling system technology to propane with great success

Applications

- Our Customer's Applications:
 - Taxi, Paratransit, Bus and Shuttle Vehicles
 - Airport Service Vehicles
 - Utility, Refuse, Streetsweeper Vehicles
 - Delivery Fleets
 - Government/Military Fleets
 - Personal Vehicles
- Dedicated CNG or Dual-fuel (CNG or gasoline)
- Dedicated Propane or Dual-fuel (propane or gasoline)

Baytech System Benefits

- Baytech launched sequential Multi-Port Fuel Injection system in 2004
 - More precise fuel control for emissions and performance
- Baytech uses no add-on computers. Engine calibration software implemented in OEM computer
 - Compatible with other vehicle systems
 - No false signals to “fool” diagnostic systems
 - Same emissions/defects warranty as OEM vehicles
- EPA and CARB certified
 - SULEV, ULEV, LEV, ILEV, CARB OBDII

Baytech Sequential Multi-Port Fuel Injection Systems



Serving Fleet Customers

- Baytech must be selective in vehicle product offerings
 - Escalating engineering, testing and certification costs
- In 2006/2007 we will focus on a smaller portfolio of vehicle/engine types that are in greatest demand by our fleet customers
 - Must have purchase commitments for 20 or more for each specific vehicle/engine type
 - Combining multiple customer's purchase plans can make a product offering viable

Serving Fleet Customers (cont.)

- Baytech works with GM and Isuzu dealers, national installers (BAF), and regional installers
 - All are trained by Baytech on installation procedures and provide vehicle service
 - These organizations are a key element in defining our product development plans
- Several large fleet customers perform their own installations

2005 Product Line-up

- 8.1L C2500HD/3500 (CNG and Propane)
- 8.1L C4500/5500 (CNG and Propane)
- 8.1L C6500/7500/8500 (CNG and Propane)
- 8.1L Workhorse Chassis (CNG and Propane)
- 6.0L C1500HD/2500HD/3500 (CNG and Propane)
- 6.0L W Series, Isuzu NPR (CNG and Propane)
- 6.0L, 4.3L G1500/2500/3500 Express/Savana Van (CNG)
- 6.0L, 5.3L Suburban/Tahoe/Yukon/Escalade (CNG)
- 6.0L Workhorse Chassis (CNG and Propane)
- 5.3L Trailblazer/Envoy (CNG)
- 4.3L Astro/Safari Mini Van (CNG)
- 5.3L, 4.3L C1500 Sierra/Silverado (CNG)
- 4.3L Blazer SUV (CNG)

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Tahoe/Yukon SUV (5.3L)



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2006/2007 Product Plans

■ CNG and Propane

- 8.1L C2500HD/3500*
- 8.1L C4500/5500**
- 8.1L C6500/7500/8500**
- 8.1L Workhorse Chassis**
- 6.0L C1500HD/2500HD/3500 Sierra/Silverado*
- 6.0L W3500, Isuzu NPR*
- 6.0L W4500, Isuzu NPR HD
- 6.0L G2500/3500 Express/Savana Vans*
- 6.0L C1500/2500 Sierra/Silverado 50 state*
- Maybe others (GM 5.3L, 4.3L vehicles)

* EPA Complete

** EPA & CARB Complete

GMC C4500/5500 Series 8.1L CNG and Propane Models



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C4500/5500 Cutaway Bus (8.1L) CNG and Propane Models



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C4500/5500/6500/7500/8500 (8.1L) TopKick/Kodiak



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GMC W3500 (6.0L)

GMC W4500 Series (6.0L)



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Isuzu NPR (6.0L)

Isuzu NPR HD Series (6.0L)



HD Utility Vehicles (6.0L & 8.1L)



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Express/Savana Van (6.0L)



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Van Cutaway Bus/Truck (6.0L)



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Silverado/Sierra/C/K (4.3L, 6.0L, 8.1L)



GM Alternative Fuel Conversion- Ready Engine Standard on 8.1L, 6.0L W series, Must Order on 6.0L Van and Pick-ups, Cab&Chassis



Pictured: 2005 Express Passenger Van 3500
Extended Wheelbase



Your Vehicle:	2005 Express Passenger 3500
Selected Style:	RWD Base 1SA
Exterior:	Berry Red Metallic
Interior:	Medium Dark Pewter Custom Cloth
Total MSRP:	\$30,859.20
MSRP*	\$30,859.20
Color & Options:	\$0.00
Total MSRP*	\$30,859.20
Dealer Installed:	\$0.00
Accessories:	\$0.00



A GM BuyPower Manager can locate this vehicle and give you a no-obligation price quote.

*Tax, title, and license extra

BUILD YOUR OWN: Summary

Type

• RWD

Style

- 12-passenger seating
- 31-gal. (approx.) fuel tank
- Air conditioning
- AM/FM stereo
- Swing-out 60/40 passenger-side door
- StabiliTrak Vehicle Stability Enhancement System
- Tow/Haul mode
- Vortec 6000 V8 engine

Color

Exterior: Berry Red Metallic
Interior: Medium Dark Pewter Custom Cloth

Options and Packages

• Air bags, frontal, driver and right front passenger	\$0.0
• Air conditioning, front manual	\$0.0
• Alternative fuel conversion-ready engine, includes internal modifications for operation with natural or propane gas	\$850.0
• Alternator, 105 amps	\$0.0
• Body, standard	\$0.0
• Engine, Vortec 6000 V8 SFI, (300 HP [223.8 kW] @ 4400 rpm, 360 lb.-ft. [486.6 N-m] @ 4000 rpm)	\$0.0
• Express access discount	\$0.0
• Floor covering, Black rubberized vinyl full length floor covering	\$0.0
• GVWR, 9600 lbs. (4354 kg)	\$0.0
• Glass, rear cargo door windows, swing-out	\$0.0
• Mirrors, outside rearview, manual folding, Black	\$0.0
• Rear axle, 3.73 ratio	\$0.0
• Tire, spare LT245/75R16E, all-season, blackwall, located at rear underbody of vehicle	\$0.0
• Transmission, 4-speed automatic, heavy-duty, electronically controlled with overdrive, tow/haul mode and internal transmission oil cooler	\$0.0

Hardened valves
and valve seats for
durability on gaseous fuels

ORDER
KL5
option

Baytech Partnerships

- CNG fueling station/fuel supplier Clean Energy purchased vans equipped with Baytech CNG system to use in marketing efforts
 - Provided vehicles to Baytech for certification testing
- Baytech is forming similar partnerships with propane suppliers
- BAF Technologies is a Baytech national installer
 - Nationwide marketing, sales and support for CNG and propane
 - Alliances with bus manufacturers

Baytech Partnerships (cont.)

- Texas Commission on Environmental Quality awarded Baytech a grant to modify CNG system for propane fuel and emissions test HD 8.1L and 6.0L engines
 - Makes commercialization feasible by sharing cost of very expensive HD engine dynamometer testing
 - Provides propane users with certified systems to purchase that qualify for incentive programs
- South Coast AQMD grant to demonstrate compliance of Baytech CNG sequential MPFI with OBDII

Government & Industry Advocate Roles

- Government and industry advocates must continue key roles in deploying vehicles
 - Lead by example -- expand your CNG/propane fleets!
- Incentives for CNG and propane users
 - Incremental vehicle cost, fuel/fueling station subsidies and tax credits
- R&D programs for near-term, cost-effective technology aimed at significantly boosting CNG/propane vehicle deployment
- Grants to offset high costs of certification testing
- Joint marketing efforts